

# Oil Field Environmental Incident Summary

**Incident:** 20140205100808      **Date/Time of Notice:** 02/05/2014 10:01

**Responsible Party:** CITATION OIL & GAS CORP.

**Well Operator:** CITATION OIL & GAS CORP.

**Well Name:** NELSEN 2-32

**Field Name:** INDIAN HILL

**Well File #:** 11261

**Date Incident:** 1/6/2014      **Time Incident:** 1400

**Facility ID Number:**

**County:** MCKENZIE

**Twp:** 153

**Rng:** 101

**Sec:** 32

**Qtr:** NW SE

**Location Description:** SALT WATER LEAKED OUT OF CORRODED SWEDGE CUMULATED IN DIKED AREA, SOFT AREA IN SOIL CLOSE TO DIKE SOAKED WITH WATER AND LEACHED OUT UNDER DIKE FLUID CAME OUT SIDE OF HILL SIDE AND RAN DOWN HILL ABOUT 310 NORTH WEST OF LOCATION.

**Submitted By:** LINDSEY SCHEFFER

**Received By:**

**Contact Person:** LINDSEY SCHEFFER  
14077 CUTTEN ROAD  
PO BOX 690688  
HOUSTON, TX 77269-0688

**General Land Use:** Well/Facility Site

**Affected Medium:** Well/Facility Soil

**Distance Nearest Occupied Building:**

**Distance Nearest Water Well:**

**Type of Incident:** Tank Leak

**Release Contained in Dike:** Unknown

**Reported to NRC:** No

	Spilled	Units	Recovered	Units	Followup	Units
Oil	0	barrels	0	barrels		
Brine	0	barrels	0	barrels		
Other	130	barrels	2.5	barrels		

**Description of Other Released Contaminant:**

PRODUCED WATER

**Inspected:**

**Written Report Received:**

**Clean Up Concluded:**

**Risk Evaluation:**

**Areal Extent:**

**Potential Environmental Impacts:**

WILL REMOVE CONTAMINATED SOIL AS NECESSARY AND PLAN TO HAUL TO JMAC (INDIAN HILL DISPOSAL)

**Action Taken or Planned:**

SHUT WELL IN, CLOSED VALVES ON WATER TANK, HAD WATER TRUCK EMPTY SALT WATER TANK, SUCK WATER OUT OF SALT WATER TANK. TOOK 5 -31 GALLON TRASH BARREL TO BOTTOM OF HILL AND SCOOPED UP WITH SHOVELS AND PUT INTO CONTAINERS. HAD A METAL CONTAINER DELIVERED TO LOCATION TO PUT CONTAMINATED SOIL IN AND HAUL OFF. PUT APPROX. 10 YARDS OF CLAY MATERIAL IN AREA OF PRODUCTION TANKS AND PACKED. ALSO TALKED TO LAND OWNER AND HE DID NOT WANT SOIL DISTURBED IN AREA FROM WHEN FLUID LEFT DIKED AREA AND RUN DOWNHILL. WILL CHECK SOIL IN SPRING.

**Wastes Disposal Location:** JMAC INDIAN HILL DISPOSAL

**Agencies Involved:** ND HEALTH DEPARTMENT - CHRIS ROBERTS

**Updates**

**Date:** 1/7/2014      **Status:** Inspection

**Author:** Espe, Brady

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

The weather was 1 °F, with wind from the east at seven miles per hour. The lease road to the well site is 142nd Avenue NW. The site had been cleaned in a couple of areas, the scrapped up snow was currently dumped within the dike. The areas scraped were the dike and the bottom of coulee. It does not appear much of the produced water came to the surface. As it was leaving the site a truck bought a roll off dumpster to the site. I talked to a company employee on the phone about the site. He indicated that they were waiting for the roll off, they will continue the clean up and place the scraped up material in the roll off. The company will be removing soil under the tanks and replacing the soil with clay. The area is sandy according to land owner and company employee. The landlord does not want to dig up side hill due to erosion issue. The company will remove as much of the spilled product as possible and will reassess the spill area this spring and summer. They will work with the landowner on more clean up if it is needed. More follow-up is needed in the future to check on the vegetation.

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**Date:** 2/5/2014    **Status:** Reviewed - Follow-up Required

**Author:** Stockdill, Scott

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Verbally reported to the NDDoH on January 7, 2014. Brady Espe inspected site January 7, 2014.

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**Date:** 6/5/2014    **Status:** Inspection

**Author:** Martin, Russell

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

6/5/2014 at 15:19, on location. Visibly impacted vegetation southwest of tank battery off the well pad. Spill appears to have run downhill ~100 ft to the southwest before hitting the natural gradient and flowing to the northwest for ~150 ft before entering thick vegetation. Some spots of vegetation are growing, but most in an ~4-ft wide path along the flow route are impacted. Where the spill enters the thick vegetation, the first vegetation visible is impacted; however, nearby trees and vegetation further down gradient do not show signs of impact. Could not get to very center of thick vegetation. Collected soil samples on slope near tank battery and directly before thick vegetation.

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**Date:** 7/10/2014    **Status:** Inspection

**Author:** Espe, Brady

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

The weather was 92°F, clear, with wind from the southwest 10 to 20 miles per hour. The dike on south side of pad is still not vegetated. The drainage way is vegetated with weeds but can observe the flow path of spill. I talking with personnel from the company; the landowner did not want to remove the soil because of the high potential for erosion in the area. The soil is very light in the area of the pad. The shrubs do not look to be impacted. The dikes around the tanks have been repaired, and the well is running. Follow up with company and landowner on how to handle the site.

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**Date:** 7/22/2014    **Status:** Correspondence

**Author:** Martin, Russell

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Received sample results from state lab. Salt levels on wellpad's slope are above action level. Phone call to report contact. Contact will discuss with local personnel. Due to erosion concerns, landowner did not want impacted soil excavated; however, salt impact has removed vegetation on slope, so erosion is a concern anyway. Results for samples off of slope down in drainage are below action levels.

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**Date:** 7/23/2014    **Status:** Correspondence

**Author:** Martin, Russell

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Phone call with local personnel. Site will be evaluated for possible solutions to deal with erosion concerns on slope. Straw rolls will be installed initially.

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**Date:** 8/14/2014    **Status:** Correspondence

**Author:** Martin, Russell

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Phone call with field personnel for responsible party. Straw erosion control material installed on southwestern slope by tanks; indicated they were not straw blankets so presumably straw wattles. Will verify on next inspection.

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**Date:** 11/19/2014 **Status:** Correspondence

**Author:** Espe, Brady

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Awaiting documentation.

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**Date:** 2/6/2015 **Status:** Correspondence

**Author:** Espe, Brady

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Received email requesting address for landowner letter.

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**Date:** 3/12/2015 **Status:** Awaiting Documentation

**Author:** Espe, Brady

**Updated Oil Volume:**

**Updated Salt Water Volume:**

**Updated Other Volume:**

**Updated Other Contaminant**

**Notes:**

Received documentation from landowner.